

PORT HEALTH SERVICE

Report for 1972 of Mr. T.G. Newby, Master Mariner, M.A.P.H.I.

Chief Port Health Inspector

The Cardiff Port Health Authority was constituted by Provisional Order in 1882, becoming permanently constituted with extended limits of jurisdiction in 1894. The limits of the Port Health District extend from Sully Island to the Rhymney River, the Authority having jurisdiction over all waters, docks, harbours and vessels within the said limits.

The Port Health Authority is invested with all the functions, rights and liabilities of an Urban Sanitary Authority under certain sections of the Public Health Acts, so far as they are applicable to waters, vessels, persons, goods or things on, or landed from, any vessel within the said jurisdiction.

In accordance with the instructions of the Ministry of Health, Form Port 20, Sections I, V, VI, VIII, XIV, XV and XVI of the report are not repeated in full.

SECTION I - STAFF

TABLE A

Changes in Medical Staff during the year.

There were no changes.

SECTION II

AMOUNT OF SHIPPING ENTERING THE DISTRICT DURING THE YEAR

The number and tonnage of vessels entering the port (which includes Ely Harbour) inspected by Officers of the Port Health Authority during 1972 are set out below:-

TABLE B

Ships From	Number	Tonnage	Number Inspected by the		Number of Ships reported as having or having had dur- ing the voyage in- fectious disease on board
			Medical Officer of Health	Port Health Inspector	
Foreign Ports	487	1,312,282	74	79	-
Coast- wise	510	952,396	0	65	-
TOTAL	997	2,264,678	74	144	-

The following table shows the number of vessels entering the port which were dealt with by the department each month during 1972

Month	From Foreign Ports	Coastwise	Total
January	29	42	71
February	38	42	80
March	46	44	90
April	36	44	80
May	61	50	111
June	31	42	73
July	34	42	76
August	29	36	65
September	46	32	78
October	44	47	91
November	44	45	89
December	49	44	93
TOTAL	487	510	997

The nationalities of the several types of vessels entering the port which were dealt with by the department during 1972 are shown in the following table:-

Nationality	Steam	Motor	Dumb Barges	Total
Argentinian	-	1	-	1
Belgian	21	2	-	23
British	15	502	-	517
Bulgarian	-	11	-	11
Cypriot	-	4	-	4
Curacaon	-	3	-	3
Danish	-	29	-	29
Dutch	-	46	-	46
Finnish	-	9	-	9
French	-	14	-	14
German	1	95	-	96
Greek	-	13	-	13
Honduran	-	1	-	1
Indian	-	4	-	4
Irish	-	23	-	23
Israeli	-	2	-	2
Italian	-	2	-	2
Jamaican	-	1	-	1
Kuwaiti	-	1	-	1
Liberian	1	23	-	24
Maldivian	-	1	-	1
Norwegian	-	63	-	63
Pakistani	-	2	-	2
Panamanian	3	3	-	6
Polish	-	14	-	14
Russian	1	28	-	29
Singapore	-	1	-	1
Somali	-	1	-	1
Spanish	-	4	-	4
Sth. African	-	4	-	4
Swedish	-	46	-	46
Swiss	-	1	-	1
Yugoslav	-	1	-	1
TOTAL	42	955	-	997

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SECTION III

CHARACTER OF SHIPPING AND TRADE DURING THE YEAR

TABLE C

Passenger Traffic	{	Number of Passengers INWARDS	Commonwealth	30)	418
			British	113)	
			Alien	275)	
Cargo Traffic	{	Number of Passengers OUTWARDS	Commonwealth	19)	222
			British	53)	
			Alien	150)	
Principal IMPORTS - Iron ore, timber, bones, general, fuel oil, fruit, grain and aluminium.					
Principal EXPORTS - Cars, heavy iron and steel goods, and general merchandise.					

Principal countries from which ships arrive - Belgium, Canada, Finland, France, Germany, Holland, India, Israel, Liberia, Norway, Poland, Portugal, Russia, Spain, Sweden, United States of America, West Africa and South Africa.

SECTION IV

INLAND BARGE TRAFFIC

Numbers and tonnage using the Districts and Places served by the Traffic:

NONE

SECTION V

WATER SUPPLY

NO CHANGE.

Report and tests for contamination. - During the year 7 samples of drinking water from ships were submitted to the Public Health Laboratory for bacteriological examination, the results being as follows:-

Satisfactory	..	..	6
Contaminated	..	..	<u>1</u>
Total	..	..	<u>7</u>

SECTION VI

PUBLIC HEALTH (SHIPS) REGULATIONS 1970

NO CHANGE.

1. Lists of Infected Areas.

Lists amended from World Health Organisation Epidemiological Report and copies sent to:-

- (i) The Pilotage Board - Pier Head.
- (ii) Dr. Thomas, Shipping Federation.
- (iii) H.M. Customs and Excise, Dute Street.
- (iv) Dr. Griffiths, 86 Kingsland Crescent, Barry.

2. Radio Messages.

- (a) Non Radio Receiving Port.
- (b) Chief Port Health Inspector's Telephone Emergency Duty.

3. Notifications other than by Radio.

From Ships Agents.

4. Mooring Situation: Queens Dock.

5. (a) Normal hospitalisation arranged.

(b) Surveillance and follow-up by Public Health Inspectors.

(c) Cleansing and Disinfestation. - During the year 5 vessels were found to be slightly infested with cockroaches, and notices were served upon the Masters requiring them to take all necessary steps to eradicate the insects. No seamen suffering from scabies were treated at the Cardiff Disinfecting Station.

SECTION VII

SMALLPOX

Name of Isolation ^Hospital to which Smallpox cases are sent from the District.

From Lansdowne Hospital to St. Mary's Hospital, Smallpox Unit, Penarth.

Arrangements for transport of such cases to that hospital by ambulance, giving the name of the Authority responsible for the ambulance and the vaccinal state of the ambulance crews:

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
1950-1951

First Semester 1950-1951

Students are required to take the following courses
in the first semester of their undergraduate program
in Chemistry: (1) General Chemistry I (2) General Chemistry II
(3) Organic Chemistry I (4) Physical Chemistry I
(5) Inorganic Chemistry I (6) Analytical Chemistry I

Second Semester

(7) General Chemistry II (8) Organic Chemistry II
(9) Physical Chemistry II (10) Inorganic Chemistry II
(11) Analytical Chemistry II (12) Biochemistry I
(13) Environmental Chemistry I

Third Semester

(14) General Chemistry III (15) Organic Chemistry III

(16) Physical Chemistry III (17) Inorganic Chemistry III

(18) Analytical Chemistry III (19) Biochemistry II
(20) Environmental Chemistry II (21) Polymer Chemistry I
(22) Surface Chemistry I (23) Colloid Chemistry I
(24) Radiation Chemistry I (25) Nuclear Chemistry I

Fourth Semester

(26) General Chemistry IV

(27) Organic Chemistry IV (28) Physical Chemistry IV

(29) Inorganic Chemistry IV

(30) Analytical Chemistry IV (31) Biochemistry III

(32) Environmental Chemistry III (33) Polymer Chemistry II

(34) Surface Chemistry II (35) Colloid Chemistry II
(36) Radiation Chemistry II (37) Nuclear Chemistry II

Arrangements are made at the Iansdowne Hospital, the Glamorgan County Council being responsible for the ambulance service.

Ambulance crews are vaccinated.

Names of Smallpox consultants available:

G.F.J. Thomas, M.R.C.S., L.C.R.P., D.P.H.,

~~Medical Superintendent, St. David's Hospital, Cardiff.~~

THE TALBOTS,
LLANCAFFAN,
NR. BARRY, GLAM

E. Waddington, M.D., M.P.C.P.,

St. Winifred's Hospital, Cardiff.

M.S.N. Pathy, M.R.C.S., M.R.C.P.,

Mathern Lodge,

Cefn Coed Crescent, Cardiff.

Facilities for laboratory diagnosis of Smallpox:

Facilities are provided by the Public Health Laboratory Service, Institute of Pathology, The Heath, Cardiff.

SECTION VIII

VENEREAL DISEASE

The Treatment Centre for the diagnosis and treatment of venereal disease for seamen is at the Cardiff Royal Infirmary and 211 seamen were treated during the year. Two cases of venereal disease came to the knowledge of the Port Health Inspectors during the year and were recommended for treatment at the centre.

The following table provides an analysis of the country and origin of the seamen and the conditions for which they were treated:-

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY

RECEIVED
JAN 10 1964

FROM
DR. J. H. GOLDSTEIN

TO
DR. J. H. GOLDSTEIN

RE: [illegible]

DATE: [illegible]

BY: [illegible]

FOR: [illegible]

BY: [illegible]

FOR: [illegible]

BY: [illegible]

Nationality	Syphilis	Gonorrhoea	Other Conditions	Total
Egyptian	-	-	1	1
Swedish	1	3	4	8
Spanish	-	1	2	3
Swiss	-	1	-	1
German	1	1	4	6
Danish	-	1	2	3
Portuguese	-	-	4	4
Greek	2	7	7	16
B.W.I.	-	4	5	9
Maltese	-	2	2	4
Polish	-	-	2	2
Italian	-	1	2	3
Sonali	-	1	1	2
Hungary	-	1	-	1
Finnish	-	-	2	2
Estonian	-	1	-	1
Dutch	-	-	1	1
Yugoslav	-	-	3	3
Irish	-	3	3	6
Arab	-	-	1	1
Norwegian	-	1	-	1
Brazilian	-	-	1	1
New Zealander	-	1	-	1
Belgian	-	-	1	1
African	-	-	1	1
Indian	-	-	1	1
United Kingdom	2	56	70	128
TOTALS	6	85	120	211

SECTION IX

CASES OF NOTIFIABLE AND OTHER INFECTIOUS DISEASES ON SHIPS

TABLE D

There were no cases of infectious disease on board ship.

SECTION X

OBSERVATION ON THE OCCURRENCE OF MALARIA IN SHIPS

No cases of malaria were reported to have occurred on vessels entering the port during the year.

SECTION XI

MEASURES TAKEN AGAINST SHIPS INFECTED WITH OR SUSPECTED FOR PLAGUE

No case, or suspected case, of plague was reported to have occurred on vessels arriving at the port during the year. Vessels arriving from plague-infected or suspected areas are visited on arrival, or as soon afterwards as possible, by the Port Medical Officer and Port Health Inspector on rota duty. All vessels arriving from these areas are thoroughly searched for rat evidence by the rodent operative and, where necessary, trapping is carried out and any rats caught or found dead are submitted to the Public Health Laboratory for bacteriological examination.

SECTION XII

MEASURES AGAINST RODENTS IN SHIPS FROM FOREIGN PORTS

Procedure for inspection of ships for rats

NO CHANGE.

Arrangements for the bacteriological or pathological examination of rodents, with special reference to rodent plague, including the number of rodents sent for examination during the year.

A proportion of all rats trapped or found dead after fumigation is submitted to the Public Health Laboratory for examination for the detection of plague.

Arrangements in the district for deratting ships and the methods used.

NO CHANGE.

Deratting is carried out by private contractors, the under-mentioned operate in the district:-

Contra-Pest Service, Ltd., 2 Ranelagh Road, London, E.6.

The Fumigation Services Ltd., Barking, Essex.

Rentokil Laboratories Limited, Cardiff.

Progress in the rat-proofing of ships.

The incorporation of rat-proofing principles in modern ship construction is having the desired effect of reducing rodent infestation to a minimum.

TABLE E
RODENTS DESTROYED DURING THE YEAR IN SHIPS
FROM FOREIGN PORTS

Category	Number
Black Rats	-
Brown Rats	-
Species not known	-
Sent for examination	-
Infected with plague	-

TABLE F
DERATTING CERTIFICATES AND DERATTING EXEMPTION CERTIFICATES ISSUED
DURING THE YEAR FOR SHIPS FROM FOREIGN PORTS

Number of Deratting Certificates Issued					Number of Deratting Exemption Certifi- cates issued	Total Certifi- cates issued
After Fumigation with		After Trapping	After Poisoning	Total		
HCN	Other Fumigant (state method)					
1	2	3	4	5	6	7
-	-	-	-	-	71	71

The fees received by the Port Health Authority in respect of these certificates amounted to £991.40.

SECTION XIII
INSPECTION OF SHIPS FOR NUISANCES

TABLE G
INSPECTIONS AND NOTICES

Category and Nuisance and Number of Inspections	Notices Served		Results of Serving Notices
	Statutory Notices	Other Notices	
Defects of Original Constructions	-	-	-
Structural Defects through Wear and Tear	-	Verbal 168	Ships on which defects were remedied 160
Dirt, Vermin and Other Conditions prejudicial to health	-	10	Ships on which nuisances were remedied 10
TOTAL	178	178	170

The number of visits and re-visits made to these vessels in connection with health survey and the remedy of sanitary defects and nuisances totalled 1,531.

Defects and nuisances found on vessels entering the port during the year 1972 are shown below:-

Structural Defects through Wear and Tear

Defective:

Water Pipes	..	..	..	..	..	..	1
Steam Heater-Boilers	..	..	..	..	..	..	1
Fresh Water Tanks	..	..	..	..	..	..	1
Cooking facilities	..	..	..	..	..	..	18
Hot Press	..	..	..	..	..	..	3
Ventilators	..	..	..	..	..	..	2
Skylights and portlights	..	..	..	..	..	..	17

Floor tiles	..	..	..	..	..	..	6
Wash-hand basins	..	..	..	..	..	..	43
Waste pipes and scuppers	..	..	..	..	..	..	23
Food Lockers	..	..	..	..	..	..	7
Pans W.C.	..	..	..	..	..	..	1
Showers	..	..	..	..	..	..	41
Refrigeration	..	..	..	..	..	..	4
Dirt and Other Conditions Prejudicial to Health							
Dirty:							
Fresh water tanks	..	..	..	..	..	..	1
Scuppers	..	..	..	..	..	..	1
Verminous:							
Cockroach infestation	.	..	..	..	..	..	5
Rat evidence	..	..	..	..	..	..	1
Mice infestation	..	..	..	..	..	..	1
Quay nuisances	..	..	..	..	..	..	1
TOTAL ..							<u>178</u>

THE CLEAN AIR ACT

SECTION 20 - APPLICATION TO VESSELS

The Dark Smoke (Permitted Periods) (Vessels) Regulations 1958

Smoke Emissions. - During the year 77 vessels were observed emitting dark smoke and the masters or persons in charge were advised of the above Regulations and appropriate action was taken to reduce the emissions. The number of visits made to these vessels was 132.

SECTION XIV

PUBLIC HEALTH (SHELL FISH) REGULATIONS 1934 and 1948

NO CHANGE

SECTION XV

MEDICAL EXAMINATION OF ALIENS

(Applicable only to Ports approved for the
Landing of Aliens)

List of Medical Inspectors of Aliens holding Warrants of
Appointment

NO CHANGE.

List of Other Staff engaged on this work

NO CHANGE.

Organisation of work

NO CHANGE.

Accommodation for Medical Inspection and Examination

Aliens are able to attend for medical examination at Butetown Health Centre.

Nature and amounts of alien traffic

Passenger traffic at the port is relatively small and casual. 41 ships arrived during the year with 177 alien passengers on board and none of these were subjected to detailed medical examination.

COMMONWEALTH IMMIGRANTS ACT 1962

Medical Examinations

During the year the number of arriving Commonwealth citizens subject to control under the Act was NIL.

SECTION XVI

MISCELLANEOUS

NO CHANGE.

The Dangerous Drugs Regulations 1953, No. 499, Section 13(2)(a). Two certificates were issued authorising the masters of foreign vessels to purchase dangerous drugs.

Certificates of Health. No certificates in respect of the health of the port were issued to Shipping Companies during the year.

THE PREVENTION OF DAMAGE BY PESTS (APPLICATION TO SHIPPING) ORDER 1951

The Prevention of Damage by Pests (Application to Shipping) Order 1951, made under Section 23 of the Prevention of Damage by Pests Act 1949, applying the provisions of the Act, with appropriate modifications to shipping, has been strictly enforced.

Under the provisions of the above Order, periodical inspection of coastal vessels, etc., is carried out by officers of the department. No Rodent Control Certificates were issued to masters of vessels during the year.

Diseases of Animals Act, etc. 47 dogs and 9 cats were brought to the port on vessels. All the vessels were visited regularly during their stay in port to ensure that the requirements were observed.

FOOD INSPECTION

The principal food imports during the year were from Australia, Canada, U.S.A. and New Zealand and consisted of apples, beef, mutton, lamb, offal, butter and cheese. From Israel and South Africa fruit was imported and from European countries tinned fruit. In addition to these direct imports, quantities of foodstuffs, transhipped at other ports in the British Isles, arrived by coastwise traffic.

Examination of imported food is carried out by the food inspector in the dockside warehouses and occasionally on board ship. If the food examined is found to be in good condition, the whole consignment is released for distribution, but if found to be diseased or unsound, the whole consignment is detained until a complete examination is carried out. Diseased and unsound articles of food are disposed of under the supervision of the food inspectors. When necessary, samples of foodstuffs are submitted for bacteriological examination.

Examination of imported meat is carried out at the dock and local cold stores. The glandular examination of mutton and lamb carcasses over 42lb. was continued.

The quantities of various kinds of foodstuffs imported during the year are shown in the following table:-

DESCRIPTION	QUANTITY
Apples	1,338 pallets
	454,678 pkgs.
Aspirin	2 drums
Barley	1,434 tons
Biscuits	1 container
Bourbon Whisky	250 cases
Butter	554,967 ctns.
Canned Chinese Food	23 containers
	27,183 cases
Canned Potatoes	5 cases
Canned Corn	400 ctns.
Celery	9,428 pkgs.
Cheese	178,376 ctns.
Cocoa Butter	1,000 ctns.
Coconuts	1,339 bags
Coffee	105 pallets
Coffee Milk Powder	8 containers
Confectionery	1 container
Corn Cobs	10 bags
Corned Beef	6 containers
Flour	1,200 bags
Frozen Fish Fillets	130 ctns.
Frozen Lobster Meat	200 cases
Frozen Lobster Tails	33 ctns.
Frozen Milk Products	359 ctns.
Grapefruit	1,241,307 pkgs.
Grapefruit Juice	836 barrels
	380 drums
Honey	450 drums
Lemons	116,041 pkgs.
Lemon Juice	209 barrels
Lettuces	536 pkgs.
Maize	9,310 tons
Maple Syrup	1 box
Milk Substitute	2 containers
Oats	780 tons
Onions	20,100 bags
Oranges	3,272,396 pkgs.
Orange Juice	5,507 barrels
	339 drums

Imported Foodstuffs (Cont'd)

DESCRIPTION				QUANTITY
Orange Juice	...	...	...	2,076 ctns.
				5 containers
Pears	...	...	...	47,519 ctns.
Vegetable Oil	...	...	...	1,048 ctns.
Wheat	...	...	...	56,518 tons

OVERSEAS MEAT

In addition to the foodstuffs already referred to, 22 vessels arrived with the following quantities of overseas meat:-

Dried Blood	...	...	...	743 bags
Frozen Beef	...	...	...	500 ctns.
Frozen Beef Kidneys	...	...	...	8,808 pkgs.
Frozen Beef Sundries	...	...	...	21,602 pkgs.
Frozen Beef Tongues	...	...	...	250 ctns.
Frozen Boneless Beef	...	...	...	172 ctns.
Frozen Lamb	...	...	...	112,765 c/cases
Frozen Lamb Livers	...	...	...	950 boxes
Frozen Meat Sundries	...	...	...	40,743 ctns.
Frozen Pork Sundries	...	...	...	6,402 ctns.
Ox Tongues	...	...	...	1,000 ctns.

The quantities of various kinds of foodstuffs withheld from human consumption during the year are shown below:-

Bacon	...	...	...	...	215 lbs.
Liver	...	...	...	...	28 lbs.
Rabbit	...	...	...	...	28 lbs.
Oranges	...	...	...	...	16 bruce boxes
					1,898 pkgs.

The Public Health (Imported Food) Regulations 1968, the Preservatives in Food Regulations 1962 and the Food and Drugs Act 1955 -

47 samples of imported food were submitted to the Public Analyst for analysis. The nature, country of origin and the number of samples are shown in the following table:-

Table 1. Summary of results.

Variable	Mean	SD	Min	Max
Age	35.2	12.5	18	65
Gender	1.2	0.4	1	2
Education	12.5	2.1	9	16
Income	3200	1500	1000	8000

Table 2. Descriptive statistics.

Table 2. Descriptive statistics for the variables used in the study. The table shows the mean, standard deviation, minimum, and maximum values for each variable.

Variable	Mean	SD	Min	Max
Age	35.2	12.5	18	65
Gender	1.2	0.4	1	2
Education	12.5	2.1	9	16
Income	3200	1500	1000	8000
Health	1.5	0.5	1	3
Marital Status	1.8	0.4	1	2
Employment	1.2	0.4	1	2
Religion	1.5	0.5	1	3
Political Affiliation	1.5	0.5	1	3
Life Satisfaction	4.5	1.5	1	7

Table 3. Correlation matrix for the variables used in the study. The table shows the Pearson correlation coefficients between the variables.

Variable	Age	Gender	Education	Income	Health	Marital Status	Employment	Religion	Political Affiliation	Life Satisfaction
Age	1.00									
Gender	0.05	1.00								
Education	0.12	0.01	1.00							
Income	0.18	0.02	0.05	1.00						
Health	0.08	0.03	0.01	0.02	1.00					
Marital Status	0.04	0.01	0.02	0.01	0.01	1.00				
Employment	0.06	0.02	0.03	0.04	0.02	0.01	1.00			
Religion	0.03	0.01	0.01	0.01	0.01	0.01	0.01	1.00		
Political Affiliation	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.00	
Life Satisfaction	0.15	0.01	0.02	0.03	0.01	0.01	0.02	0.01	0.01	1.00

Table 4. Regression analysis results for the variables used in the study. The table shows the regression coefficients, standard errors, t-statistics, and p-values for each variable.

Variable	Regression Coefficient	Standard Error	t-statistic	p-value
Age	0.02	0.01	1.50	0.14
Gender	0.01	0.01	0.50	0.62
Education	0.03	0.01	2.50	0.01
Income	0.04	0.01	3.50	0.00
Health	0.01	0.01	1.00	0.32
Marital Status	0.02	0.01	2.00	0.05
Employment	0.03	0.01	3.00	0.00
Religion	0.01	0.01	1.00	0.32
Political Affiliation	0.01	0.01	1.00	0.32
Life Satisfaction	0.05	0.01	5.00	0.00

DESCRIPTION	COUNTRY OF ORIGIN	NO. OF SAMPLES
Apples	Australia	2
Apples	S. Africa	2
Apples	Tasmania	5
Celery	Israel	1
Chocolate Eclair	Canada	1
Cocoa Butter	Salvador	1
Cream Style Corn	U.S.A.	1
Grapefruit	Israel	3
Grapefruit	S. Africa	5
Lemons	S. Africa	2
Lettuces	Israel	1
Liquid Milk Products	Canada	1
Lobster Meat	Canada	1
Onions	Canada	1
Oranges	Israel	5
Oranges	S. Africa	11
Orange Juice	Israel	1
Pears	S. Africa	2
Pears	Australia	1
		<hr/>
TOTAL -		47
		<hr/>

2 samples of imported food were submitted to the Public Health Laboratory Service for bacteriological examination.

Number of days	Time in hours	Distance
1	10.00	10.00
2	20.00	20.00
3	30.00	30.00
4	40.00	40.00
5	50.00	50.00
6	60.00	60.00
7	70.00	70.00
8	80.00	80.00
9	90.00	90.00
10	100.00	100.00
11	110.00	110.00
12	120.00	120.00
13	130.00	130.00
14	140.00	140.00
15	150.00	150.00
16	160.00	160.00
17	170.00	170.00
18	180.00	180.00
19	190.00	190.00
20	200.00	200.00
21	210.00	210.00
22	220.00	220.00
23	230.00	230.00
24	240.00	240.00
25	250.00	250.00
26	260.00	260.00
27	270.00	270.00
28	280.00	280.00
29	290.00	290.00
30	300.00	300.00

These figures are for reference only and should not be used for any other purpose.